

# NOISE ACTIVATED WARNING SIGN GA902

Helps compliance with Health & Safety at Work regulations



According to industrial safety law, areas subject to hazardous noise must be clearly defined, and workers notified of the danger. In many cases, the noise hazard is intermittent and that's precisely the situation for which the GA902 was designed.

The GA902 activates only when the noise exceeds a pre-set level allowing exposed workers to wear ear-defenders - often a less than popular safety measure - only when absolutely necessary.

Being of rugged construction, the GA902 is suitable for most industrial situations. It is also available in Stainless Steel for the food and pharmaceutical industry. Warning text is generally supplied to EC requirements, but alternative graphic and languages are available to order.

Fitting the optional Remote-Beacon (GB001) greatly increases the warning impact, especially in large area.

The GA902 is a self-contained unit housing its electronics in a tough case, and is easily installed and set for action. The front panel text is available as



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standard in EC or USA forms, but can be ordered in any language and a variety of colours.

The front panel is completely blank when idle but brilliantly lit when activated to give an easily noticed warning. Outputs from the master unit can also trigger other external devices such as machines or process cut-off actuators - a complete system.

GA902SS  
STAINLESS STEEL VERSION

## A system for All Seasons



The Castle GA902 can easily be made into a system with the addition of 'slave' units which are powered from the main Castle GA902 'master'. Two 'masters' can also be linked to work together. These features can greatly extend the scope of your system, whilst keeping the number of units down to a minimum.

FEATURES: SELF CONTAINED UNIT | STAINLESS STEEL CASING | WATERPROOF SEALS | BUILT IN MICROPHONE | EASILY INSTALLED | MAINS POWERED | FULLY AUTOMATIC | IP RATED | BLANK WHEN OFF | AVAILABLE WITH OPTIONAL REMOTE BEACON

**Castle**  
advanced sound solutions



## GA902 SPECIFICATIONS

### OPERATION

The microphone receives noise and passes it to the built in sound level meter where it is compared to the pre-set trigger level which if exceeded, switches on the twin fluorescent lamps to illuminate the warning sign. Once the noise in the area falls below the threshold for more than a pre-set time the lamps are extinguished.

### SETTING THE ACTIVATED NOISE LEVEL

The unit is factory calibrated to 85dBA and a series of internal switches enables the user to select the desired trigger level in steps of 2.5dB

### ORDERING INFORMATION

GA902 Noise Activated Warning Sign (specify 110v or 240v)  
GB001 Remote Beacon. This can be placed remotely to improve visibility (specify 110v or 240v)  
GB003 Mini-beacon. This is attached to the underside of the GA902 (specify 110v or 240v)  
Note: Beacons are normally supplied in

Orange but are also available in Blue or Red.

### MEASURING RANGE

75 dB to 112.5dB steps switch selectable 2.5dB variable calibration control (factory set)

### TRIP TIME

User adjustable 5 to 30 seconds

### CONTROLS

Push to test button  
Mains power 'on' indicator

### DETECTOR

Characteristic:  
Averaging

### FREQUENCY WEIGHTING

'A' in accordance with IEC651 Type 2

### TIME RESPONSE

Slow response (1000 mS)

### MICROPHONE

Built in Castle electret

### OUTPUTS

Switched AC power feed for external beacon  
Change-over relay contact sets

### POWER

200v to 240v AC, 50Hz/60Hz

110v to 120v AC, 50Hz/60Hz  
(240v version supplied as standard unless otherwise stated at time of order)

### ILLUMINATION

Two 8w, 12" fluorescent tubes

### BEACONS

The GA902 is available with an optional Remote Beacon, specify GB001 or with Mini-beacon, specify GB003

### DIMENSIONS

Overall: 520 x 200 x 120  
Viewable Screen area: 450 x 190

Distributed by:

In the interest of continued development, Castle Group reserve the right to change the specifications and features without notice



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.